Fifth & Part ~~Final~~ Bill

**M. A. R. 57 (Rule 116)** No. E 558901

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency... Sri. C. G. Chandrappa. .....

Date of commencement of work..... 22/10/2018 .....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Name of work: Improvements to Roads & drains @ Kodigehalli ward No 8 Package No 3 (Package consists of 21 works)<br>Job code No: 008-18-000049<br>Work order No: BBMP/EE/BTP/WO/440/2018-19 dtd 22/10/2018<br>Estimate: 1090.00 Lakhs.<br>Measurement recorded on: 18-01-2021 | | | | | | |
| | 7) Earthwork excavation by manual mean in ordinary soil involving an average horizontal throw | | | | | | |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Upto 1st Km and an average lift upto 0.5 m. Excavated surface levelled and sidewardly dressed and as per the direction of the Engineer-in-charge of the work. | | | | | | |
| | Qty vide pre measurement recorded in page no 5 of E Bill. | | | | | 1880.41 Cum | |
| | @ Rs 93.00 | — | — | — | | | Rs 174878.00 |
| 12) | Scarifying bituminous course 30mm to 75mm thick along with pre mix carpet/surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labours, T&P of machineries complete as per specifications and as per the direction of the | | | | | | |

M. A. R. 57 (Rule 116) No. E 558902
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work..... Quantity dates -

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Engineer in-charge of the work | | | | | | |
| | Upto 125%. | | | | | | |
| | Qty vide pre measurement recorded in page no 12 of E Bill | | — | — | — | 1193.17 Sqm | |
| | | | @ 32.89 Rs | | — | — | Rs 39,243.00 |
| | Above 125% | | | | | | |
| | qty vide pre measurement recorded in Page no 12 of E Bill. | | — | — | — | 155.00 Sqm | |
| | | | @ 32.89 Rs | | — | — | 5098.00 |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (8) | Excavation for roadwork in Soil with hydraulic Excavator of 0.90cum bucket Capacity including Cutting & loading in tippers and as per the direction of the Engineer-in-charge.. | | | | | | |
| (a) | Upto 125%. Qty vide pre-measurement recorded on pg no 7 of E Bill | | | — | — | 680.36 Cum | |
| | | | | @ 52.17 Rs | — | | Rs 35,499.00 |
| (b) | Above 125%. Qty vide pre-measurement recorded on page no 7 of E Bill | | | — | — | 971.04 Cum | |
| | | | | @ 52.17 Rs | — | | Rs 50,659.00. |

M. A. R. 57 (Rule 116) No. E 558903

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (9) | lead for disposal of earth shall be payable at Carriage (lead & lift) by mechanical means including upto 1/2 kms as per the direction of the Engineer in charge of the work. Upto 125%. Qty vide pre measurement recorded on Page no 8 of E Bill | | — | — | — | 3531.84 Cum | |
| | | | @ Rs 124.12 | — | — | | Rs 438,372.00. |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 32 | Providing & laying in position plain cement of mix 1:3:6 with OPC Cement @ 220 kg. with 40 mm down sized granite metal coarse aggregate @ 0.892 cum & fine aggregate @ 0.446 cum. and per the direction of the Engineer in charge of the work qty vide pre measurement recorded on Page no 23 of EB.II. | | | — | — | 85.56 Cum<br>qty limited 81.16 Cum | |
| | | | @ | 5723.17 | — | | Rs 464493.00 |
| 10 | Construction of embankment with material gravel/ Murrum, KSRDBS MS 300-53. Construction of Site, spreading, grading to required slope & Compacting as per specifications. | | | | | | |

**M. A. R. 57 (Rule 116)** **No. E** 558904

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (a) | Upto 12%. qty vide pre measurement recorded on Pg no 9 of E Bill | | - | - | — | 429.45 Cum | |
| | | | | @ | 342.53 | — | Rs 147099.50 |
| (b) | Above 12%. qty vide pre measurement recorded on Pg no 9 of E Bill | | | — | - | 1212.02 Cum. 1526.90 | |
| | | | | @ | 342.53 | — | Rs 445,153.00 523009.05 |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (34) | Providing TMT Steel reinforcement for RCC work including straitening, cutting, lapping wherever required tying with Binding wire as per the direction of the Engineer-in-charge of the work. qty vide pre measurement recorded on Pg no 24 of EBlk | — | — | — | — | 14.44 tonne | |
| | | | | | qty left To | 14.01 tonne | |
| | | | | | @ Rs 68740.46 | — | Rs 963054.00 |
| (52) | Construction of granular Sub base by providing close graded stone aggregates of granite/trap/basalt material, Complete as per specification. | | | | | | |

**M. A. R. 57 (Rule 116)** No. E 558905
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (a) | Upto 12%. qty vide pre measurement recorded on Pg no 29 of EBlk. | | — | — | | 317.63 Cum | |
| | | | @ Rs 1781.83 | | | — | Rs 565962.00 |
| (b) | Above 12%. qty vide pre measurement recorded on Page no 29 of EBlk | | — | — | | 912.05 Cum | |
| | | | @ Rs 1781.83 | | | — | Rs 1567658.00 |
| | | | | | | | 1625118.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (33) | Providing laying placing reinforced cement concrete M20 grade for box drain walls of thickness 10cm to 20cm including centering shuttering for work etc. as per the direction of Engineer incharge of work qty vide post measurement recorded on page no 36 of EBk. | | | — | — | 185.78 Cum | |
| | | | | qty Ltd to | | 178.46 Cum | |
| | | | | @ 11804.75 | | — | Rs 21,06,439.00 |
| (11) | Providing, laying, placing & compacting graded stone aggregate to 53mm specs including premixing the material with water at OMC in mechanical mix plant as per the directions of the | | | | | | |

**M. A. R. 57 (Rule 116)** No. E
Measurement Book 558906

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Engineer-in-charge of the work | | | | | | |
| (a) | Upto 125%. | | | | | | |
| | qty vide premeasurement recorded on Page no 111 of EBk. | | | — | — | 0 | Cum |
| (b) | Above 125%. | | | | | | |
| | qty vide premeasurement recorded on Page no 11 of EBk. | | | — | — | 882.65 | Cum 169841.60 |
| | | | | @ 1891.85 | | — | Rs ~~1606290.80~~ 1669837 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| E2, | Providing & fixing RCC Precast Cover Slab of 100mm thick for drain in Cement Concrete M20 using graded granite jelly down & downlose with steel reinforcement: | | | | | | |
| | qty vide Post measurement recorded on Page no 56 of EBK- | | 314.55 | — | — | | |
| | | @ | 2337.00 | | — | | 735104.00 |
| E1. | Providing & fixing RCC Precast Cover Slab of 250 mm for drain in Cement Concrete M20 using graded granite jelly down & downlose with steel reinforcement including formwork and the | | | | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. E 558907

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | directions of Engineer-in-charge qty vide post measurement recorded on Pg no 54 of EBK. | | | — | — | 62.10 Sqm | |
| | | | qty ltd to | | | 48.12 Sqm | |
| | | @ | 5418.00 | — | — | | Rs 260714.16 |
| (14) | Providing & applying primer coat with RS bitumen Emulsion on prepared surface of granite bore hole |

m

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | WBM/WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg/sqm as per the direction of Engineer-in-charge of work | | | | | | |
| (a) | Upto 12.5%. qty vide pre measurement recorded on page no 13/14 of E Bill. | | | — | — | 300 Sqm | |
| | | | | @ Rs 29.49 | | — | Rs 8847.00 |
| (b) | Above 12.5%. qty vide pre measurement recorded on Pg no 13/14 of E Bill | | | — | — | 3570.12 Sqm | |
| | | | | @ Rs 29.45 | | — | Rs 105282.00 |

M. A. R. 57 (Rule 116) No. E 558908

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (16) | Providing & laying dense graded bituminous macadam with crushed aggregate of specified grading to the required grade as per the direction of the Engineer including of the cost. | | | | | | |
| (a) | Upto 12.5%. qty vide pre measurement recorded on Page no 16 of E Bill. | | | — | — | 85.40 Cum | |
| | | | | @ 7618.42 | | — | Rs 650613.00 |
| (b) | Above 12.5%. qty vide pre-measurement recorded on Page no 16 of E Bill | | | — | — | 93.11 Cum | |
| | | | | @ 7618.42 | | — | Rs 709351.00 |

709274.90

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (16) | Providing & fixing Pre cast Solid Cement concrete Kerb Stones made out of CC1:2:4 with top & bottom width as per the directions of the Engineer-in-charge of work. qty vide post measurement recorded on Pg no 44 of E Bill | — | — | | | 826.0 | no |
| | | | | qty Hd to | | 763.0 | no |
| | | | | @ 355.00 | | — | Rs 270865.00 |
| (17) | Cleaning the existing black topped surface with broom, Spit brushes & finally dusting with gunny bags as per the direction of Engineer-in-charge of work qty vide Pre measurement recorded on Pg no 17/18 of E Bill | — | — | | | 2726.41 | Sqm |
| | | | | @ 3.40 | | — | Rs 9270.00 |

M. A. R. 57 (Rule 116)
Measurement Book

No. E 558909

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (18) | Providing & applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm. as per the direction of Engineer qty vide pre measurement recorded on Pg no 20 of E Bill | — | — | | | 6142.03 | Sqm |
| | | | | @ 13.61 | | — | Rs 83593.00. |
| (19) | Providing & laying bituminous Concrete 30-60 Cat Compacted thickness with VG30 Bitumen grade using 40-60 HP using crushed aggregates | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | of grading I as per specifications of Engineer incharge of work. | | | | | | |
| | Qty vide Post measurement recorded on pg no 20 of EBill. | | | — | — | 245.68 Cum | |
| | | | | @ 8686.84 | | — | Rs 2134182.00 |
| (42) | Painting 2 Coats after filling the surface with Synthetic Enamel Paint with material, labour as per specifications | | | | | | |
| | Qty vide Post measurement recorded on pg no 46 of EBill | | | — | — | 120.23 Sqm | |
| | | | | @ 68.05 | | — | Rs 8181.00 |

M. A. R. 57 (Rule 116)
Measurement Book

No. E 558910

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 20. | Providing & laying of hot applied thermoplastic Compound 2.5mm thick including reflectorising glass beads at 250 gms per Sqmeter as per the Engineer incharge | | | | | | |
| | Qty vide Post measurement recorded on pg no 28 of EBill. | | | — | — | 196.34 Sqm | |
| | | | | @ 580.71 | | — | Rs 114016.00. |
| (E5) | Road markers/Road Stud, KRRS-M800-35, & Supply & Installation of moulded shank raised Pavement markers made of polycarbonate & | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | ABS moulded body & reflective panels with micro pressure lens capable of support a load of 16000 Kg. as directed by the Engineer qty vide post measurement recorded on pg no 59 of EBM. | | | | | 188 no | Rs 71850.00 |
| | | | | | @ 382.23 | — | |
| | | | | | 13962422.15 | Total: | 13972514.00 |
| | Rs: One crore thirty nine lakh Seventy two thousand Five hundred & fourteen only | | | | (-) 80422.15 | | 13882000.00 |
| | Certificate: 1) Certified that work has been completed satisfactory 2) All the debris has been cleared from the work site 3) No departmental dues from the contractor | | | | | | |

18/1/21

Assistant Executive Engineer
Kadigehalli Sub Division

**M. A. R. 57 (Rule 116)** **No. E** 558911

Measurement Book

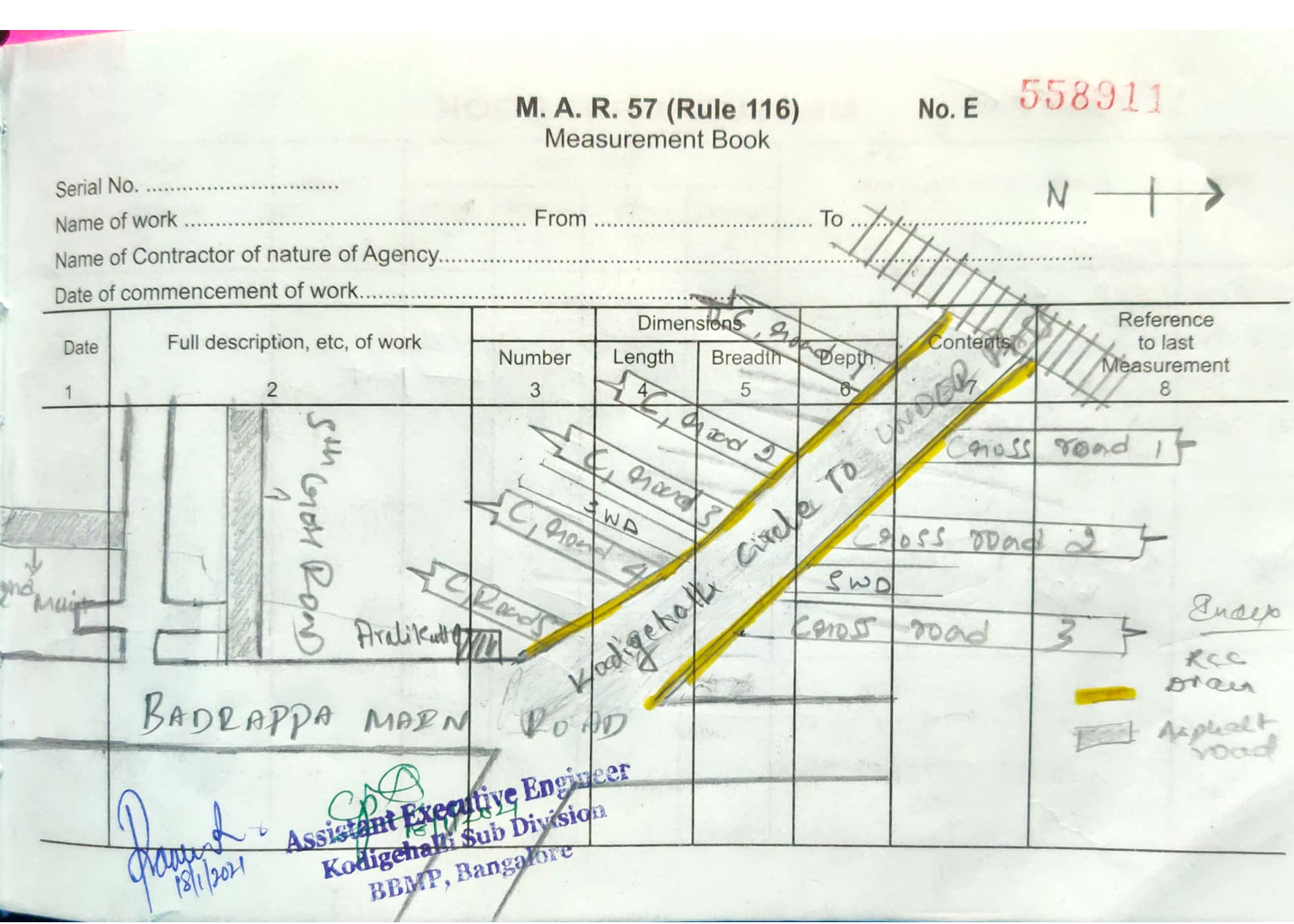
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |




Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

18/1/2024

5th & Final

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | P3158 SIP 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | SIP | | Total 10418358 | | | | |
| | | | Previa 9030158 - upto 4th & Final. | | | | |
| | | | TTB 13882000 | | | | 5th & Final part |
| | | | IT 277640 | | | | |
| | | | Cess 123947 | | | | |
| | | | Surt 123947 | | | | |
| | | | Cen 138820 | | | | |
| | | | CBT 13882 | | | | |
| | | | CR 117364 | | | | |
| | | | Ded 795600 | | | | |
| | | | Chqd 13086400 | | | | |
| | 13882000/- | | | | | | |
| | 795600/- | | | | | | |
| | 13086400/- | | | | | | |
| | 16/2 | | | | | | |
| | 16/03 | | | | | | |